

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

ALLENDALE QUARRY

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the


Proposed mining operation(s) will be on 60 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name Site #1	Site Number
Worth	17	65N	30W	60	0	60		0655

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 15th day of October 2004

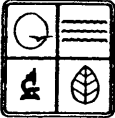


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0697
Effective Date 10/15/2004
Expiration Date 09/15/2005
MO 780-1122 (6-95)

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND RECLAMATION COMMISSION
P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL S+A Construction LTD		DATE 9-3-04	
ADDRESS Box 20		STATE MO	ZIP CODE 64420
CITY Attendale		TELEPHONE NUMBER 660-786-2233	
CONTACT PERSON Judson Summers			

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. Site 1	Jan, Feb, <u>Mar</u> , Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE \longrightarrow \$ **300.00**

2. Acreage Fee \$5 X **60** number of acres bonded \$ **300.00**

3. Annual Permit Fee \$ 500 **500.00**

4. Total Fee (Add totals from 1, 2 and 3) \$

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500 **1,100.00**

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ 300

SIGNATURE OF APPLICANT <i>Judson Summers</i>	TITLE Owner / Pres.	DATE 9/9/04
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Appeared before me this **9** day of **September**, 20**04**. **Judson Summers**
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE OF Missouri	COUNTY (OR CITY OF ST. LOUIS) Worth	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 9 DAY OF September YEAR 2004		USE RUBBER STAMP IN CLEAR AREA BELOW. Notary Public - Notary Seal STATE OF MISSOURI Worth County My Commission Expires June 20, 2005
	NOTARY PUBLIC SIGNATURE <i>Dickie Miller</i>	MY COMMISSION EXPIRES June 2005	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Dickie Miller		

FOR DEPARTMENT USE ONLY: APPROVED BY <i>Judson Summers</i>	DATE APPROVED 9-29-04	PERMIT NUMBER 0697	EXPIRATION DATE 9-15-05
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Site #1		PERMIT NUMBER 0697	
COMPANY NAME Allendale Quarry			
COUNTY Worth	1/4 SECTION NW 1/4 & SW 1/4		SECTION 17
TOWNSHIP 65N	RANGE 30W		ACRES 260
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Donald Hughes		
ADDRESS Rt 1 - Box 64		
CITY Denver	STATE MO	ZIP CODE 64441
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 6-7-95
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) (same as above)		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MINE PLAN

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P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

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☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: June 19, 2005

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This Long Term Mine Plan encompasses a 260-acre lease comprised of gently rolling hills of 8-10% grade. An approximate eight-acre area, located in the southwest corner of the property, was mined in the 1930s and abandoned. A sparse tree line, of unmarketable timber and scrub, trends west-southwest east-northeast through the middle of the lower 160 acres of the lease with a drainage ditch running just inside the tree line. Trees surround the outside perimeter of the northern lease boundary. The remaining unmined areas have a grassy/clover cover supported by a thin blanket of topsoil underlain by a poor-grade rocky subsoil.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

9

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

No clearing of timber will be necessary within the permit boundaries or Long Term Mine Plan. The landowner logged the area prior to leasing to S & A Construction, Ltd. The little remaining scrub will be removed, if needed, with bulldozers and topsoil will be removed carefully with a scraper. Because the topsoil is only 9 inches deep, an additional 3 inches of subsoil will be removed to obtain a total of 12 inches of soil for replacement.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The scrapers will deposit soil over graded spoil areas or in stockpiles within permit areas. Topsoil replaced on graded spoil will be graded and seeded. Stockpiles will be shaped and seeded with grass to protect from wind and water erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSION

Spoil stockpiles will be placed in a 0.70-acre permit area within an 8-acre pre-law mining area located in the southwest corner of the property lease. As excavation activity progresses, overburden and spoil will be used to backfill mined-out portions of the pit scheduled for reclamation as pasture.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

none

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See map.

The active pit is comprised of approximately 3.15 acres, trending east-northeast, west-southwest, within the 5.2-acre permit area marked on the Detail Map.

YES NO

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.) |

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	SEEDING OR PLANTING TIME
#1	Pasture	Spring (March 15 - May 15)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first Spring following topsoil replacement in the areas scheduled for pasture, the seed mix will be broadcast and harrowed. No trees or shrubs will be planted. Area intended for grazing.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
orchard grass sweet clover	28 lbs/acre 5 lbs/acre	N/A	N/A

VEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

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Mining will proceed east-northeast of the current pit, trending in the same direction as a drainage ditch in the southern one-third of the property. Mining will then proceed north until minerals are mined out. No mining activities or land disturbances are expected to occur south of the current permit areas or the drainage ditch. This creek will mark the approximate southern boundary of a planned 40-acre water impoundment. The eight-acre pre-law mining area in the southwest corner of the lease will remain as is, except for a 0.70-acre spoil area within it, which will be graded, topsoiled and seeded. The remaining area in the Long Term Mine Plan will be reclaimed as pasture, graded to slopes traversable by farm machinery and seeded with orchard grass and sweet clover.

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C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

In areas scheduled for pasture, grading will be conducted as the pit advances and as spoil is placed in the mined-out portions. All final grading will be completed, as necessary, within one year of permit expiration.

REPLACEMENT OF TOPSOIL

In areas scheduled for pasture, topsoil will be replaced to a uniform depth of 12 inches, and disced to reduce compaction. Topsoil will be replaced, as necessary, within one year of permit expiration.

REVEGETATION

All topsoil areas will be seeded during the first optimum seeding period following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

A Horizon (9 inches) + B Horizon (3 inches) = 12 inches

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	¹²⁻¹²⁻⁰³ ~ 100 220 um
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	~ 40

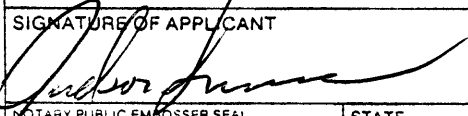
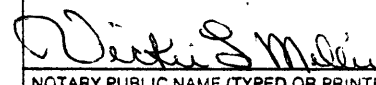

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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SIGNATURE OF APPLICANT 		TITLE Owner Rep	DATE 12-12-03
NOTARY PUBLIC EMBOSSEY SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Worth	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 12 DAY OF Dec 2003		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES June 28-03	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Vickie L. Miller		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 12-11-03	PERMIT NUMBER



Allendale Quarry

Permit # 697

Detail Map

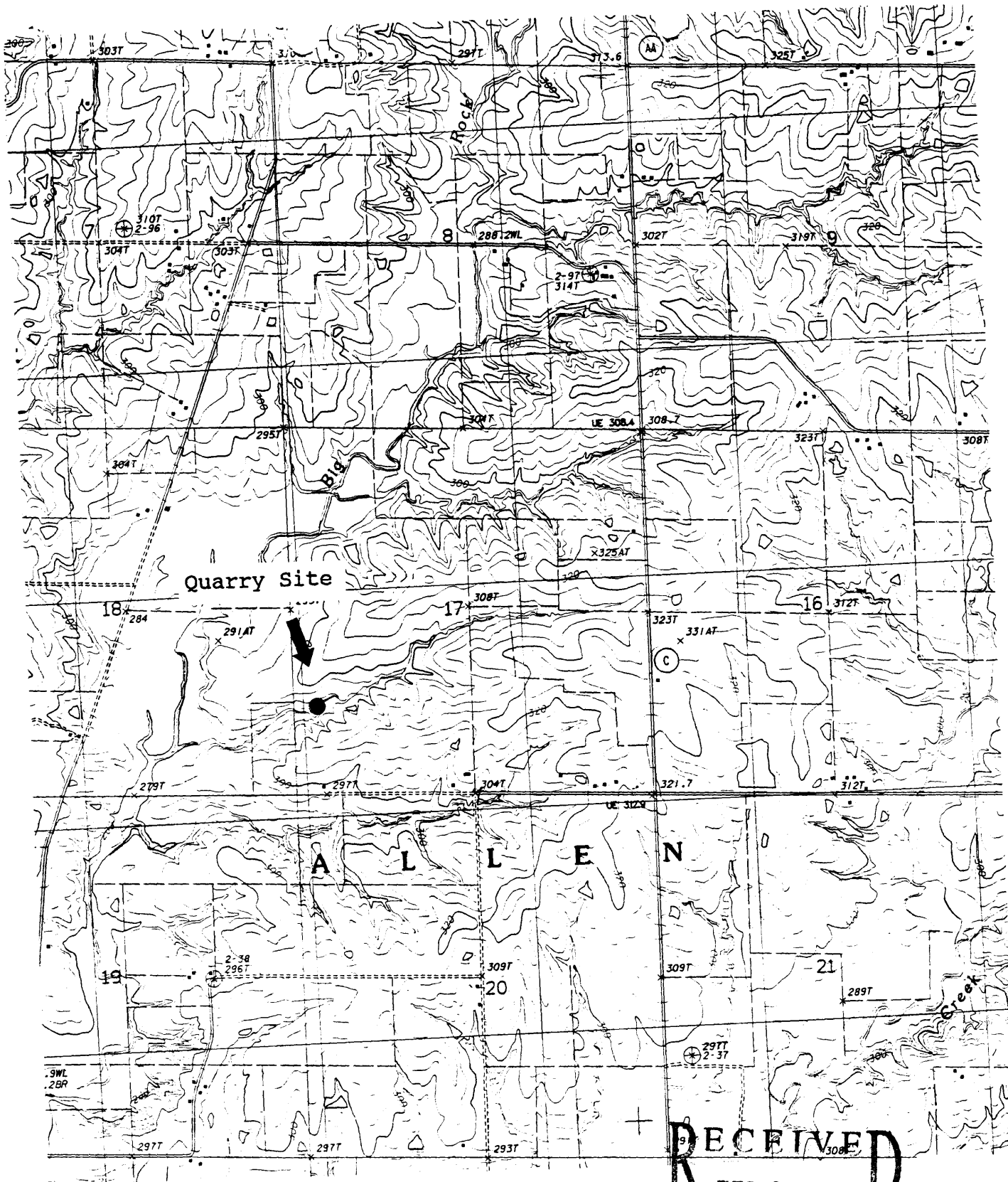
Prepared by: Judson Summers

Date Prepared: 2-11-04

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LOCATOR MAP

S & A Construction, Ltd. - Allendale Quarry
Worth County

Quarry Location
T65N, NW1/4, SW1/4 Section 17, R30W

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1 inch = 2000 feet